

**ABSTRACT OF THE INVENTION**

A method for executing a schedule in a workflow application is provided. The method includes selectively storing a schedule state to a storage medium based on a latency attribute associated with the schedule. Also provided is a method of executing a workflow application comprising long running transactions. This method includes selectively storing a schedule state to a storage medium based on a latency attribute associated with the schedule, and selectively compensating certain actions within the schedule according to a compensation parameter associated with an action, based on failure or abortion of another action within the schedule. In addition, there is provided a method of executing a schedule comprising selectively compensating certain actions or transactions within the schedule according to a compensation parameter associated with an action or transaction, based on failure or abortion of another action or transaction within the schedule. Also provided is a computer-readable medium having computer-executable instructions for performing the steps of the methods of the invention.

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